

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
XA-9120A

Total Pages in this Submission

## TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**BALL SCREW DEVICE AND LINEAR MOTION DEVICE**

and invented by:

**Kazuo MIYAGUCHI, Yoshinori MIZUMURA, Takeshi NAKAZAWA**

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09/317,978

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

### Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 49 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Microfiche Appendix (if applicable)
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (if drawings filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
**XA-9120A**

Total Pages in this Submission

**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal                      Number of Sheets 20
- b. ☐ Informal                      Number of Sheets \_\_\_\_\_
4. ☒ Oath or Declaration
- a. ☐ Newly executed *(original or copy)*                      ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney                      ☐ Without Power of Attorney
- d. ☒ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
- ☒ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under  
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.
- ☐ Computer Program in Microfiche *(Appendix)*
- ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy *(identical to computer copy)*
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

8. ☐ Assignment Papers *(cover sheet & document(s))*
9. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
10. ☐ English Translation Document *(if applicable)*
11. ☒ Information Disclosure Statement/PTO-1449                      ☐ Copies of IDS Citations
12. ☒ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☐ Certificate of Mailing
- ☐ First Class    ☐ Express Mail *(Specify Label No.):* \_\_\_\_\_

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

Docket No.  
XA-9120A

Total Pages in this Submission

**Accompanying Application Parts (Continued)**

15. ☒ Certified Copy of Priority Document(s) *(if foreign priority is claimed)* Certified copies of Japanese Patent Application Nos. 10-167813 filed 6/2/98, 10-239458 filed 8/12/98, and 11-026544 filed 2/3/99, for which Applicants hereby claim priority under 35 U.S.C.\*
16. ☒ Additional Enclosures *(please identify below)*:

Change of Correspondence Address

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

- ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

**Warning**

***An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.***

**18. ASSIGNEE INFORMATION:**

Assignee: NSK Ltd.

\*15. (cont.)...§ 119, were filed in prior Application No. 09/317,978.

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
XA-9120A

Total Pages in this Submission

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

	For	#Filed	#Allowed	#Extra	Rate	Fee
To	Claims	3	- 20 =	0	x \$18.00	\$0.00
Inc	Claims	3	- 3 =	0	x \$84.00	\$0.00
Mu	Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
	BASIC FEE					\$740.00
O	R FEE (specify purpose)					\$0.00
	TOTAL FILING FEE					\$740.00

- ☒ A check in the amount of \$740.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-1165 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

  
Signature

Mitchell W. Shapiro, Reg. No. 31,568  
Miles & Stockbridge P.C.  
1751 Pinnacle Dr., Suite 500  
McLean, VA 22102  
703-903-9000

Dated: January 8, 2002

cc:

XA-9120A

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Kazuo MIYAGUCHI et al.

Appln. No.:

Filed: HEREWITH

For: BALL SCREW DEVICE AND LINEAR MOTION DEVICE

\* \* \*

STATEMENT REQUESTING DELETION OF  
INVENTORS UNDER 37 C.F.R § 1.63(d)(2)

Assistant Commissioner for Patents  
Washington, D. C. 20231

Sir:

The subject continuing application includes a copy of  
the Declaration of the inventors in prior Application No.  
09/317,978 filed May 25, 1999.

It is respectfully requested that, for purposes of the  
subject continuing application, the following inventors be  
deleted:

Tsutomu OHKUBO

Shirouji YABE

Soichiro KATO

Nobumitsu TAKAHASHI

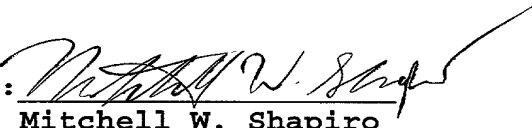
Ryouichi SATO

Hiroki YAMAGUCHI

20020108 0955004

The Commissioner is hereby authorized to charge to Deposit Account No. 50-1165 any fees under 37 C.F.R. §§ 1.16 and 1.17 that may be required by this paper, and to credit any overpayment to that Account. If any extension of time is required in connection with the filing of this paper and has not been requested separately, such extension is hereby requested.

Respectfully submitted,

By:   
Mitchell W. Shapiro  
Reg. No. 31,568

MWS:jab

Miles & Stockbridge P.C.  
1751 Pinnacle Drive  
Suite 500  
McLean, VA 22102-3833  
(703) 903-9000

January 8, 2002

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Kazuo MIYAGUCHI et al.

Appln. No.:

Filed: HEREWITH

For: BALL SCREW DEVICE AND LINEAR MOTION DEVICE

\* \* \*

CHANGE OF CORRESPONDENCE ADDRESS

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Effectively immediately, please address all  
correspondence in the above-identified application to:

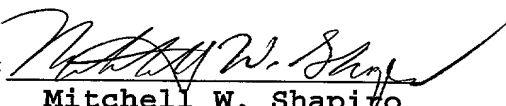
Mitchell W. Shapiro  
Miles & Stockbridge P.C.  
1751 Pinnacle Drive  
Suite 500  
McLean, Virginia 22102-3833  
(703) 903-9000.

Respectfully submitted,

MWS:jab

Miles & Stockbridge P.C.  
1751 Pinnacle Drive  
Suite 500  
McLean, Virginia 22102-3833  
(703) 903-9000

By:

  
Mitchell W. Shapiro  
Reg. No. 31,568

January 8, 2002